

List of Current Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 10 (Cancelled).

11. (New) A method for manufacturing a measuring device for determining and/or monitoring a process variable of a medium in a container comprising the steps of:

securing a mechanically oscillatable unit via a securement to a sensor housing and/or to the container; and

exciting the mechanically oscillatable unit to oscillate, or receive oscillations of the mechanically oscillatable unit with a driver/receiver unit;

detecting reaction forces and/or reaction moments which act on the securement due to the oscillations of the mechanically oscillatable unit;

issuing a report, when the reaction forces and/or reaction moments exceed predeterminable limit values; and

adjusting, in the case of a report, the mechanically oscillatable unit as regards its oscillation properties.

12. (New) An apparatus for manufacturing a measuring device
at least one force detection unit;
a mechanically oscillatable unit;
securement; and

means for securing the measuring device and said at least one force detection unit, which is coupled with said securement in such a manner that it detects reaction forces and/or reaction moments, which act on said securement due to the oscillations of the mechanically oscillatable unit.

13. (New) The apparatus as claimed in claim 12, wherein:

said means for securing includes at least one force transmission unit, which is coupled with said securement and/or with a sensor housing and with said at least one force detection unit in such a manner that said at least one force detection unit detects, via said force transmission unit, reaction forces and/or reaction moments acting on said securement.

14. (New) The apparatus as claimed in claim 13, wherein:

said force transmission unit comprises a flange.

15. (New) A measuring device for determining and/or monitoring a process variable of a medium in a container, comprising:

a mechanically oscillatable unit, which is secured via a securement to a sensor housing and/or to the container;

a driver/receiver unit, which excites said mechanically oscillatable unit to oscillate, or receives oscillations of said mechanically oscillatable unit;

at least one force detection unit, which is coupled with said securement in such a manner that it detects reaction forces and/or reaction moments, which act on said securement due to oscillations of said mechanically oscillatable unit.

16. (New) The measuring device as claimed in claim 15, wherein:

said force detection unit is arranged in such a manner that it detects reaction forces and/or reaction moments along an axis essentially coinciding with an oscillation axis of said mechanically oscillatable unit.

17. (New) The measuring device as claimed in claim 15, wherein:

said force detection unit comprises an acceleration sensor.

18. (New) The measuring device as claimed in claim 15, wherein:

said mechanically oscillatable unit comprises an oscillatory fork.

19. (New) The measuring device as claimed in claim 15, wherein:
the mechanically oscillatable unit comprises a single-rod.

20. (New) The measuring device as claimed in claim 19, wherein:
said mechanically oscillatable unit comprises a single-rod having three oscillatory
members; and
at least one oscillatory member is connected at a connecting region with said
securement.